ABSTRACT

To be able to easily and rapidly remove free ATP, extract ATP from trapped microorganisms and measure extracted ATP, that loses less microorganisms in a sample, that does not require skill and that can measure the microorganisms in the sample stably and high-sensitively.

A flocculant 3 is kept sucked beforehand in a first syringe 2. Then, a liquid sample LS is sucked and agitated. Then, a first filter case 5 and a second filter case 6 are attached immediately to a leading end. Then, this mixture liquid 15 is filtered. Then, only the second filter case 6 is detached and a washing liquid 8 is kept sucked by a second syringe 7 so as to wash the second filter case 6. Next, a bacteriolytic agent 9 is filled in the second filter case 6 and reacted for about 30 seconds. Then, a reacted liquid 16 is pushed out to a measuring tube 10. Then, a luminous reagent (11a+11b) that is prepared beforehand is added. Thereafter, an adapter 12 is attached. Then, it is agitated lightly. Then, a luminous quantity is measured by a luminometer at once.